Volume 31, 1990	INDEX	No.	Page
Agriculture Graduate Perceptions of the Levels of Cognition Required in Undergraduate Courses			
	Robert J. Birkenholz, Donald M. Johnson	1	32
Analysis of the Agricultural Mechanics Laboratory Management Inservice Needs of Missouri Ag Teachers			
	Donald M. Johnson, Leon G. Schumacher, Bob R. Stewart	2	35
Analysis of Theoretical Relationships Between Learning Styles of Students and Their Preferences for Learning Activities			
	Timothy J. Rollins	1	64
Assessment of the Preparation and Career Patterns of Agricultural Education Graduates, 1975-1985			
	Max G. McGhee, Jimmy G. Cheek	2	17
Career Mobility in Ag Ed: A Social Learning Theory Approach			
	Tom Grady	1	75
Cognitive Level of Instruction and Student Performance Among Selected Ohio Production Agriculture Programs			
	Jamie Cano, L.H. Newcomb	1	46
Cognitive Style of International and Domestic Graduate Students in Agricultural Education and Agricultural Economics			
	Larry E. Miller, Kathleen M. Escolme	4	52
Comparison of Members and Non-Members of Professional Organizations for Vocational Agriculture Teachers			
	David E. Lawver, Jasper S. Lee	4	39
Comparison of 1972 and 1980 Secondary Agriculture Students			
	K.K. Navaratnam, J. Dale Oliver	3	54
Competency Based Education in NC Vocational Agriculture Programs: Ten Years after Adoption			
	Jim Flowers	2	62
Computer Anxiety Levels of Southern Region Extension Agents			
	Myra N. Smith, Joe W. Kotrlik	1	12
Computer Education Priorities of Farmers			
	Blannie E. Bowen, Kathleen M. Escolme	1	39
Creating a Competitive Advantage in Higher Education for Agricultural Teacher Education			
	Gerald R. Fuller	1	2
Effect of Level of Problem Solving Approach to Teaching on Student Achievement and Retention			
	Harry N. Boone	1	18
Effects of Approach to Teaching on Student Achievement, Retention and Attitude			
	Harry N. Boone, Jr., L.H. Newcomb	4	9
Effects of Simulation on Cognitive Performance in Agriculture Mechanics			
	David M. Agnew, Glen C. Shinn	2	12
Effects of Spousal Satisfaction and Selected Career Factors on Job Satisfaction of Extension Agents			
	Michael Herbert, Joe W. Kotrlik	3	31
Evaluation of On-Farm Microcomputer Use			
	David Quinlan, Robert A. Martin	1	7
Factors Associated with Western Region Agriculture Teachers' Perceptions of Teaching Effectiveness			
	Joe G. Harper, Robert G. Weiser, Raymond F. Armstrong	4	22

Volume 31, 1990 INDEX	No.	Page
Follow-up Study of International Graduate Students in Agricultural Education at The Ohio State University		
Janet L. Henderson, Gayle Shibano	1	71
Follow-up Study of the Doctoral Program in Agricultural and Extension Education		
Suvinai Randavay	2	40
Formal and Nonformal Instruction Delivered to Farmers by Adult Instructors, Secondary Ag Teachers, and Extension Agents		
Dasse' Bouare, Blannie E. Bowen	2	68
High School Agriculture Program Completers and Their Success in College		
Lou E. Riesenberg, Laurie L. Lancaster	4	27
Influence of Enrollment in Vocational Agriculture on Admission to a College of Agriculture		
Matt R. Raven, J. Robert Warmbrod	4	15
Interaction of Secondary Agriculture Teacher Health and the School as a Workplace		
Lyle E. Westrom, Jasper S. Lee	3	38
Job and Marital Satisfaction of Secondary Agriculture Teachers and Their Spouses		
Kerry S. Odell, James E. Cochran, Layle D. Lawrence, Stacy Andrew Gartin	3	14
Level of Agreement Among Superintendents, Principals, and Instructors Concerning Adult Agricultural Education		
Oren L. Christmas	3	43
Levels of Critical Thinking of Secondary Students		
Timothy J. Rollins	3	47
Male Vocational Agriculture Teachers' Attitude and Perception Towards Female Teachers of Agriculture		
Jamie Cano	3	19
Major Problems Encountered in Administering Vocational Agriculture as Perceived by State Vocational Agriculture Supervisors in the US		
Sandra Smith, Layle Lawrence, Stacy Gartin, Kerry Odell	2	45
Noise Levels and Hearing Protection Devices: Effect on Student Welding Performance		
Carl Reynolds	2	23
Perceptions of Administrators and Instructors Concerning Factors Influencing Secondary Agriculture Enrollment		
Lou E. Riesenberg, Shannon R. Lierman	2	7
Perceptions Regarding Instructional Methods Used in Adult Ag Education Programs		
Robert A. Martin, Mahmoud H. Omer	2	2
Predicting Performance on the Professional Knowledge Portion of the National Teacher Examination		
Larry R. Jewell	3	24
Priorities for Research in Agricultural Education		
Luis Silva-Guerrero, H. Dean Sutphin	3	2
Professional Knowledge Competency Achievement of Ag Teachers with and without Preservice Preparation in Peninsular Malaysia		
Mohd. Ibrahim Nazri, R. Kirby Barrick	2	49

Relationship Between Instruction and Student Performance at the Various Levels of Cognition Among Selected Ohio Production Agriculture Programs
Jamie Cano 2 74

Relationship Between Level of Job Satisfaction of N.C. Vo Ag Teachers and Their Perceptions Toward the Ag. Ed. Teaching Profession
Larry Jewell, Kendall Beavers, Barbara Malpiedi Kirby, James Flowers 1 52

Research Priorities for Adult Education in Agriculture in the North Central Region
Robert J. Birkenholz, Steven R. Harbstreit, Dale A. Law 4 32

SAE Scope and Student Achievement in Agribusiness and Natural Resource Education
Larry R. Arrington, Jimmy G. Cheek 2 55

Satisfaction with Agricultural Education Student Teaching
Curtis Borne, Jeffrey W. Moss 2 29

Selection of Student Teaching Centers and Cooperating Teachers in Ag and Expectations of Teacher Educators Regarding Components of a Teacher Education Program: A National Study
Richard J. Norris, Alvin Larke, Jr., Gary E. Briers 1 58

Statistical Procedures Employed in the Journal of Agricultural Education
Blannie E. Bowen, Timothy J. Rollins, Connie D. Baggett, Jeffrey P. Miller 4 46

Teaching Applied Biology in Secondary Agriculture: Effects on Student Achievement and Attitudes
Chris A. Roegge, Earl B. Russell 1 27

Time Series Analysis of Agricultural Education Student Teachers' Perceptions of Agricultural Mechanics Lab Management Competencies
Leon G. Schumacher, Donald M. Johnson 4 2